

Figure 1

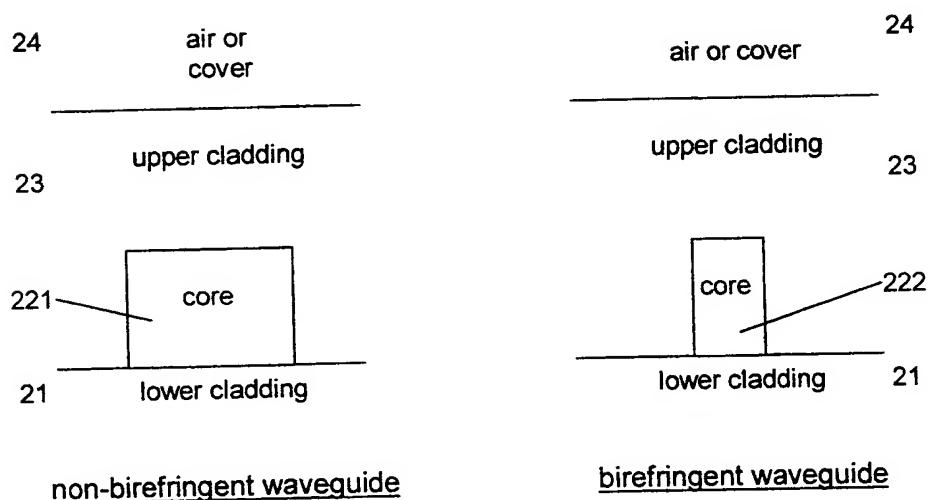
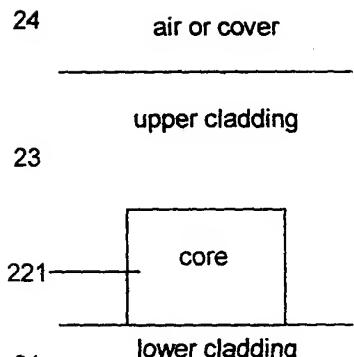
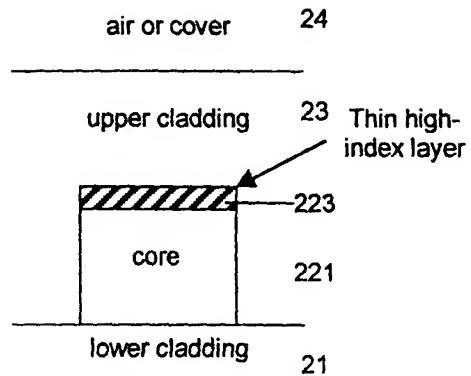


Figure 2

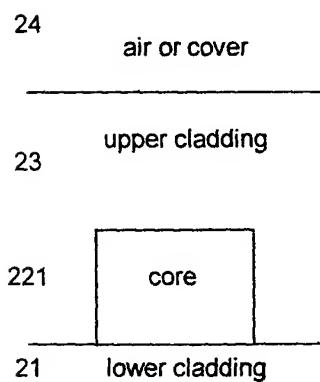


non-birefringent waveguide

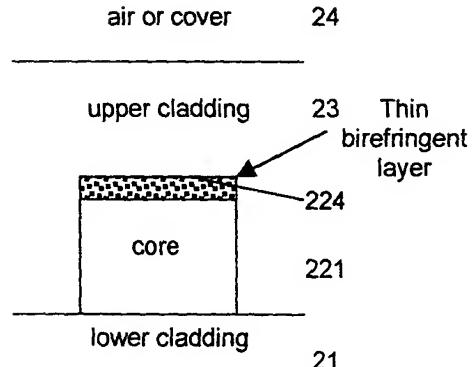


birefringent waveguide

Figure 3



non-birefringent waveguide



birefringent waveguide

Figure 4

Cross-Section View

air or cover

24

23

upper cladding

(SiO₂ $n_{cl} = 1.45$)

222

 w

core

(SiON $n_{co} = 1.70$) $h = 1.5 \mu\text{m}$

lower cladding

(thermal oxide, $n_{cl} = 1.45$)

21

Figure 5

Top-Down View

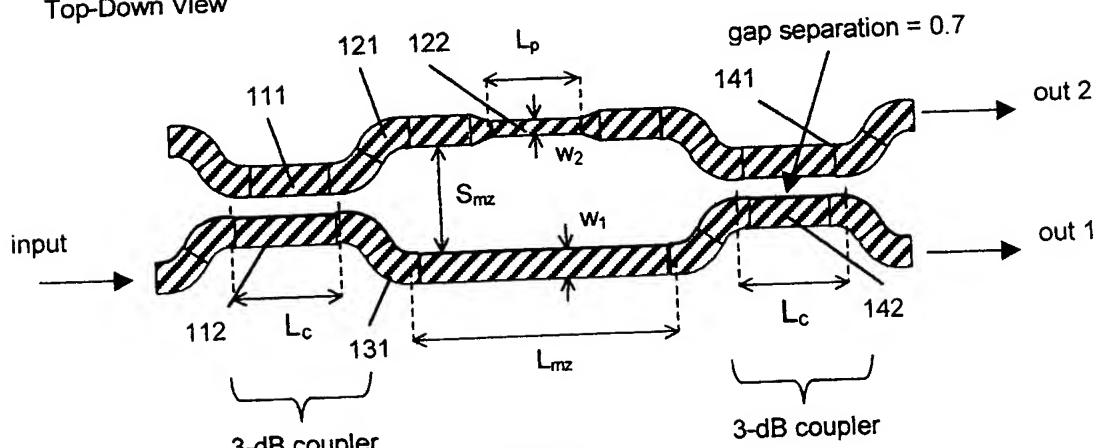


Figure 6

Top-Down View

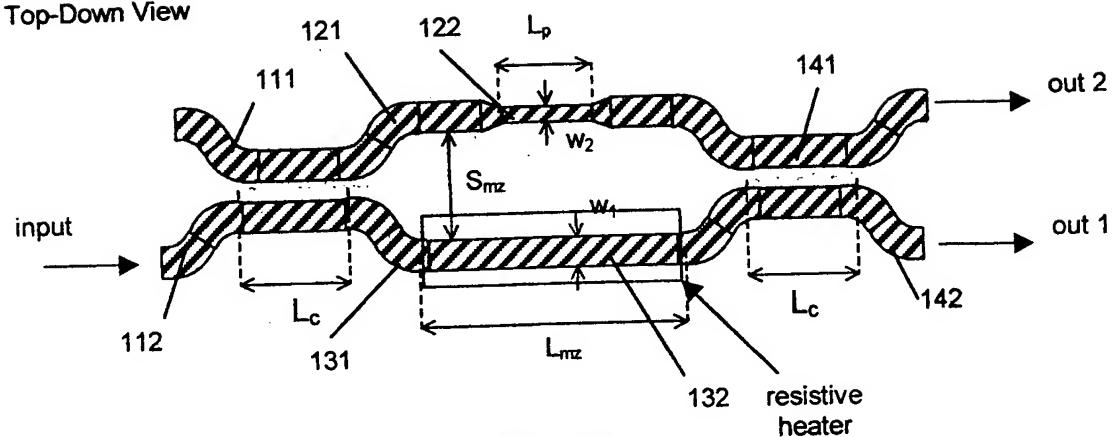


Figure 7

Top-Down View

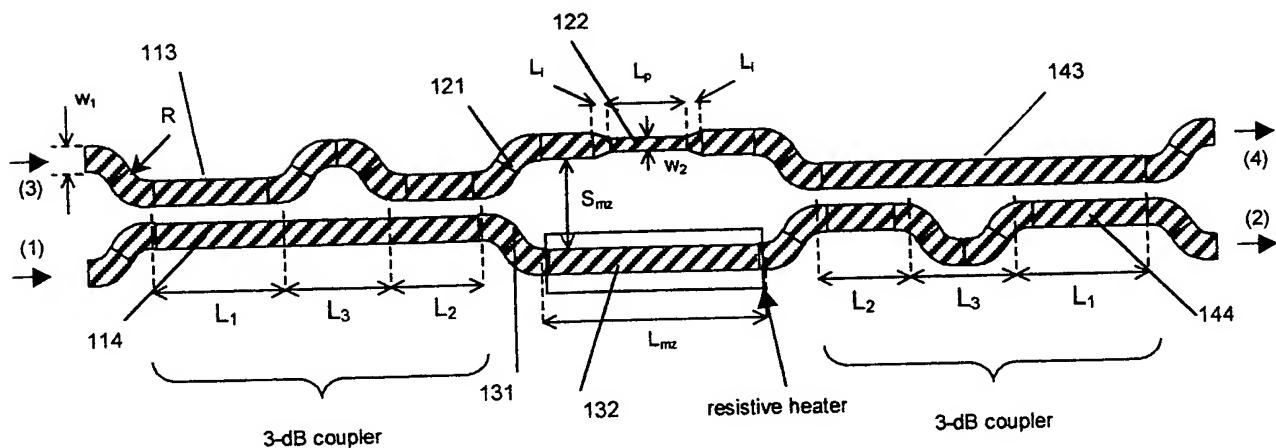


Figure 8

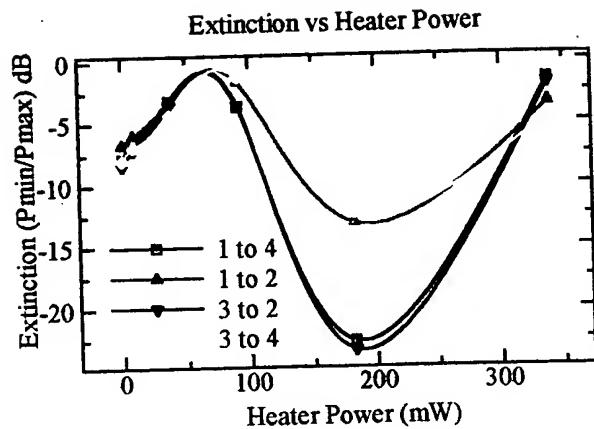


Figure 9

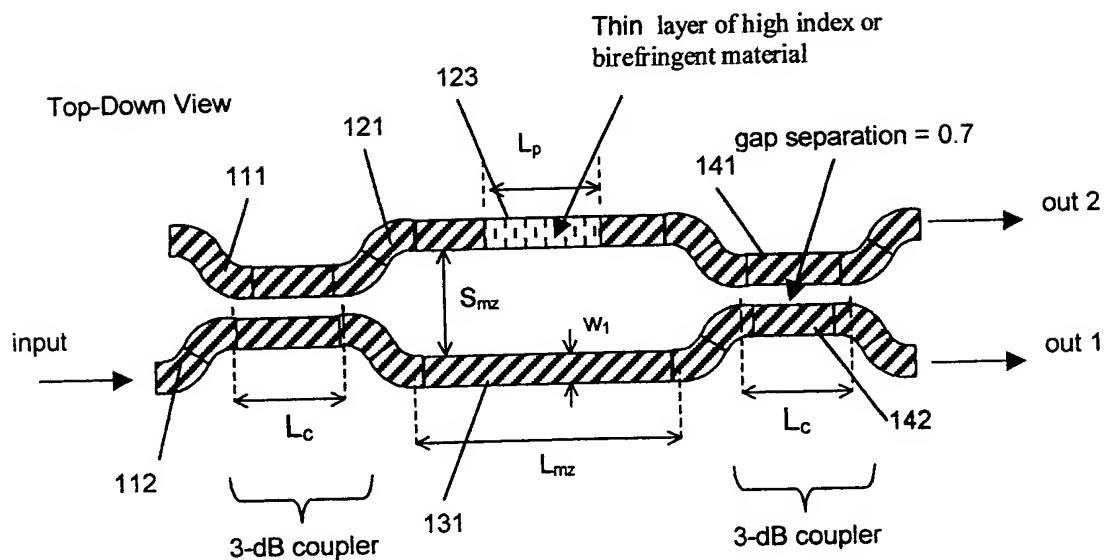


Figure 10

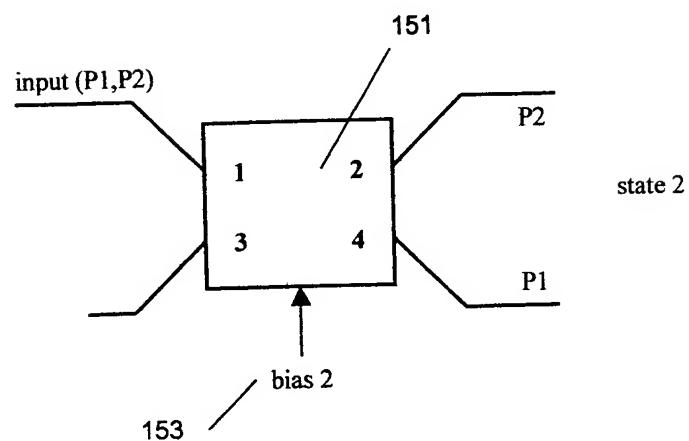
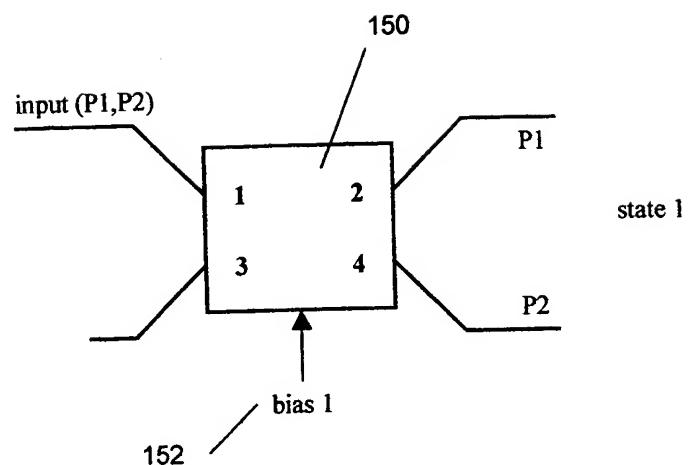


FIGURE 11

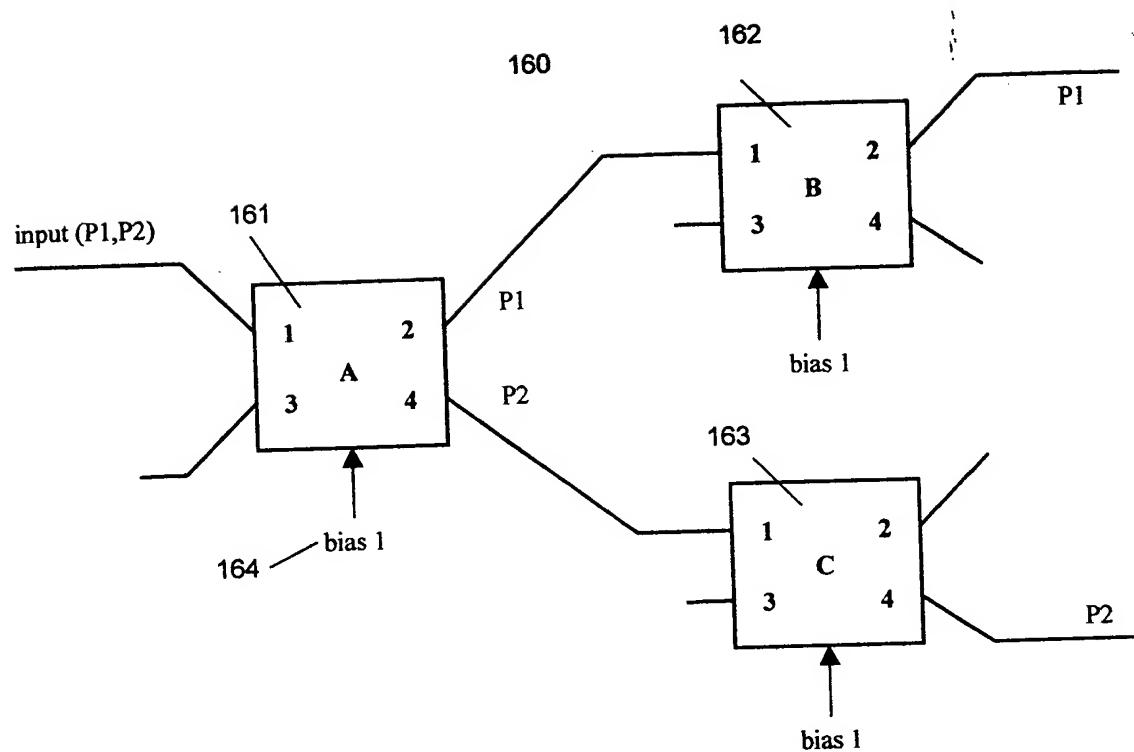


FIGURE 12

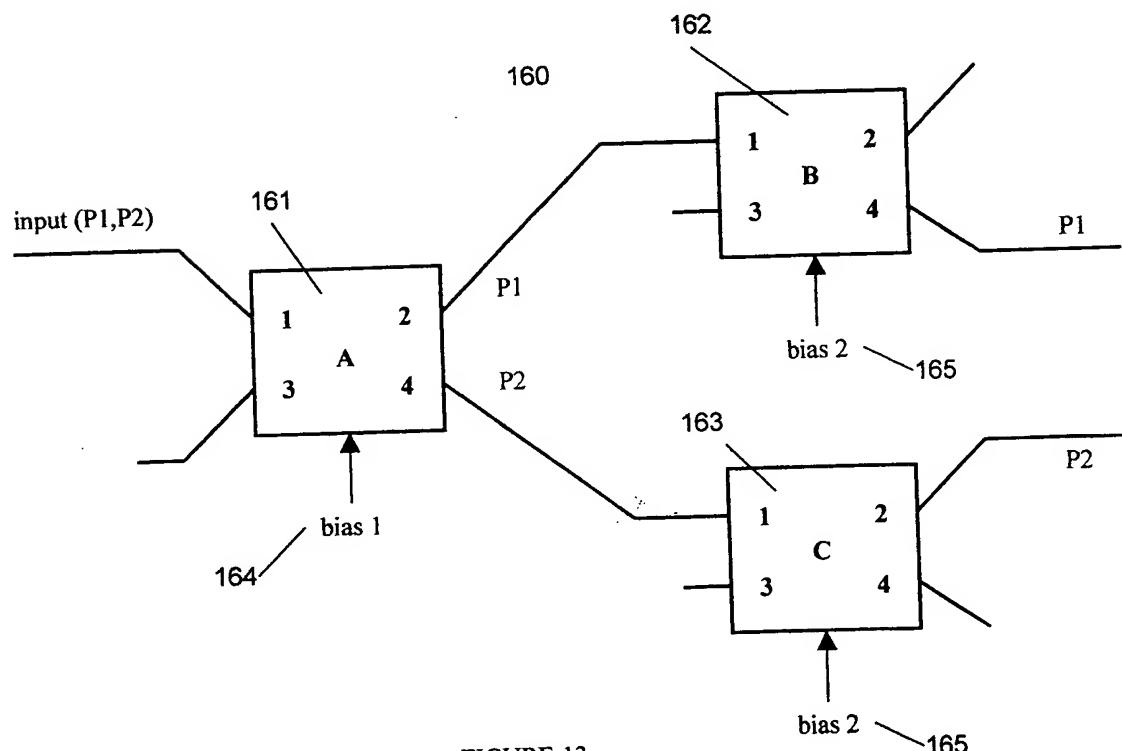


FIGURE 13